



Education and Training Careers

Almost everyone understands education from the student side of the desk and should have some understanding of the career opportunities in education as a teacher or school counselor. These are obvious. But did you know that there are many less obvious occupations in the education field that you may want to consider, like child care worker, law professor, librarian or corporate trainer? Because there are so many occupations in this cluster, it is helpful to separate it into different groups – Administration/Administrative Support, Support Services and Teaching/Training.

Group	Sample Occupations
Administration and Administrative Support Pathway	Instructional Coordinators, Educational Administrators
Support Services Pathway	Educational, Vocational and School Counselors, Speech-Language Pathologists
Teaching/Training Pathway	Middle and High School Teachers, Law Professors, Coaches

Working conditions, career preparation requirements and pay levels vary considerably within this career cluster. One thing that many careers in education and training have in common, though, is a bright future. This is due to population growth and the pending retirement of older workers in many occupations. The result means there will be lots of job openings in education and training in the next ten years – an average of over 11,000 each year in the Upper Texas Gulf Coast region (which includes Austin, Brazoria, Chambers, Colorado, Fort Bend, Galveston, Harris, Liberty, Matagorda, Montgomery, Wharton, Walker, and Waller counties). There are many occupations that will see an increase of more than 40% during that same ten years. Although it may be possible to make more money in other career clusters, few offer as much job security to good workers as occupations in the education and training cluster.

Begin to prepare for your future now! Many high schools offer career and technology courses related to this cluster and some even have programs that will help you earn a certificate and get started while you are in school. Education and training certificates include Child Development Associate, Education Aide I Certificate, and Heartsaver CPR.

So where do you go to learn more about specific occupations in this career cluster? Try the internet. You can find lots of good information there. Also, the Gulf Coast Workforce Board has developed a couple of resources for career planning. One is a “*Focus On*” series of short profiles of high growth industries and occupations in demand in the Gulf Coast region. They are designed to help students and parents plan for the future, <http://www.wrksolutions.com/jobs/focuson.html>. Also check out the Texas Education Agency’s *Achieve Texas* site, <http://www.achievetexas.org>, which provides information and suggested courses of study for specific occupations. Finally, know that the U.S. Department of Labor has lots of great career information, including short videos illustrating what different jobs are really like, www.careervoyages.gov.

For more specific information on education and training in the local Gulf Coast market, check out the following chart. It will tell you how many people are employed in different jobs and the wages people can expect to earn in these jobs.

In the chart below, highlighted occupations are considered High-Skill/High-Growth Occupations – those that pay well and have considerable opportunities for employment now and in the future.

Upper Texas Gulf Coast Region

SOC ¹	Education and Training Cluster Occupational Title	Annual Average Employment 2006	Percent Growth 2006-2016	Total Annual Average Job Openings ²	2007 Hourly Wages
<u>Short-term on-the-job training(Less than 1 month)</u>					
25-9041	Teacher Assistants	21,300	38.3%	1,160	\$17,645
<u>Long-term on-the-job training (More than 12 months)</u>					
27-2022	Coaches and Scouts	2,900	27.6%	155	\$41,401
<u>Postsecondary vocational training</u>					
25-2011	Preschool Teachers, Except Special Education	9,850	30.5%	470	\$22,373
25-4031	Library Technicians	900	27.8%	70	\$26,154
<u>Bachelor's degree</u>					
25-2021	Elementary School Teachers, Except Special Education	34,550	51.1%	2,520	\$45,651
25-2031	Secondary School Teachers, Except Special and Vocational Education	22,400	40.4%	1,575	\$48,327
25-2022	Middle School Teachers, Except Special and Vocational Education	17,650	48.2%	1,235	\$46,462
25-3099	Teachers and Instructors, All Other	11,450	34.9%	520	\$20,985
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	3,250	58.5%	265	\$46,540
25-2012	Kindergarten Teachers, Except Special Education	3,050	54.1%	215	\$44,089
25-1191	Graduate Teaching Assistants	3,400	41.2%	195	\$34,260
25-2042	Special Education Teachers, Middle School	1,500	53.3%	115	\$45,689
25-2043	Special Education Teachers, Secondary School	1,500	43.3%	100	\$46,090
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	1,350	37.0%	60	\$51,325
25-9011	Audio-Visual Collections Specialists	250	0.0%	5	\$49,973
<u>Bachelor's or higher degree, plus work experience</u>					
11-9032	Education Administrators, Elementary and Secondary School	4,650	44.1%	330	\$70,921
25-1194	Vocational Education Teachers, Postsecondary	2,850	38.6%	160	\$57,791
25-2032	Vocational Education Teachers, Secondary School	2,350	25.5%	130	\$50,919
11-9033	Education Administrators, Postsecondary	900	33.3%	55	\$104,409
11-9031	Education Administrators, Preschool and Child Care Center/Program	950	31.6%	50	\$36,387
25-2023	Vocational Education Teachers, Middle School	350	28.6%	20	\$49,823
<u>Master's degree</u>					
21-1012	Educational, Vocational, and School Counselors	4,800	37.5%	275	\$53,277
25-1071	Health Specialties Teachers, Postsecondary	3,550	42.3%	210	\$115,309
25-9031	Instructional Coordinators	2,550	51.0%	160	\$60,006
25-4021	Librarians	2,500	30.0%	140	\$50,372
25-1123	English Language and Literature Teachers, Postsecondary	1,200	45.8%	75	\$74,797
25-1011	Business Teachers, Postsecondary	1,200	41.7%	70	\$92,195
25-1121	Art, Drama, and Music Teachers, Postsecondary	1,200	41.7%	70	\$70,112
25-1022	Mathematical Science Teachers, Postsecondary	950	42.1%	55	\$93,867
25-1021	Computer Science Teachers, Postsecondary	600	41.7%	35	\$80,922
25-1124	Foreign Language and Literature Teachers, Postsecondary	500	50.0%	30	\$73,472
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	400	37.5%	20	\$58,384
25-4012	Curators	200	25.0%	15	\$49,013
25-1192	Home Economics Teachers, Postsecondary	100	50.0%	5	
25-4011	Archivists	50	100.0%	5	\$42,849

SOC ¹	Education and Training Cluster Occupational Title	Annual Average Employment 2006	Percent Growth 2006-2016	Total Annual Average Job Openings ²	2007 Hourly Wages
Doctoral degree					
19-3031	Clinical, Counseling, and School Psychologists	1,550	38.7%	80	\$69,530
25-1072	Nursing Instructors and Teachers, Postsecondary	1,000	45.0%	60	\$71,086
25-1081	Education Teachers, Postsecondary	900	44.4%	55	\$56,902
25-1032	Engineering Teachers, Postsecondary	600	41.7%	35	\$92,328
25-1041	Agricultural Sciences Teachers, Postsecondary	550	45.5%	35	
25-1066	Psychology Teachers, Postsecondary	550	45.5%	35	\$84,320
25-1122	Communications Teachers, Postsecondary	550	45.5%	35	\$59,065
25-1125	History Teachers, Postsecondary	450	33.3%	25	\$90,217
25-1052	Chemistry Teachers, Postsecondary	350	42.9%	20	\$93,074
25-1065	Political Science Teachers, Postsecondary	350	42.9%	20	\$85,494
25-1067	Sociology Teachers, Postsecondary	350	42.9%	20	\$57,988
25-1126	Philosophy and Religion Teachers, Postsecondary	350	28.6%	20	\$78,814
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	250	40.0%	15	\$86,507
25-1054	Physics Teachers, Postsecondary	250	40.0%	15	\$87,219
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	200	50.0%	15	\$59,229
25-1063	Economics Teachers, Postsecondary	200	25.0%	15	\$103,167
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	200	50.0%	15	\$64,561
25-1113	Social Work Teachers, Postsecondary	150	33.3%	10	\$59,432
25-1031	Architecture Teachers, Postsecondary	150	33.3%	5	\$63,273
25-1061	Anthropology and Archeology Teachers, Postsecondary	100	0.0%	5	\$95,965
25-1053	Environmental Science Teachers, Postsecondary	50	0.0%	0	\$88,887
25-1064	Geography Teachers, Postsecondary	50	100.0%	0	\$56,823
25-1082	Library Science Teachers, Postsecondary	50	0.0%	0	\$60,203
First professional degree					
25-1112	Law Teachers, Postsecondary	200	50.0%	15	\$75,139

Sources: U.S. Department of Labor Bureau of Labor Statistics and Texas Workforce Commission

¹ Standard Occupational Classification (SOC) Codes refer to a standardized coding system to categorize occupations. To find out more about an occupation, you can go to <http://online.onetcenter.org/find/>, enter the SOC code, and look at a complete description of an occupation.

² Total average openings include total job openings due to both growth and replacements. Job openings due to growth are created by increases in the total number of people employed in an occupation. Job openings due to net replacement estimate the need in existing jobs as workers vacate, change jobs, or leave the labor force.

³ Wage data for this occupation are not available.



Education and Training Plan of Study

Recommended Plan _____

Distinguished Achievement Plan _____

Learner Name _____

Date _____

Learner Signature _____

Advisor Signature _____

Parent/Guardian Signature _____

High School Graduation Plan	9 th Grade	10 th Grade	11 th Grade	12 th Grade
	English I	English II	English III	English IV
	Algebra I	Geometry	Algebra II	Math Elective
	Biology I	IPC or Chemistry	Chemistry or Physics	Science Elective - Lab-based
	World Geography	World History	US History	Economics/Government
	Required Electives PE, Health, Fine Arts, Foreign Language, Communication Application, or Technology Applications _____	Required Electives PE, Health, Fine Arts, Foreign Language, Communication Application, or Technology Applications _____	Required Electives PE, Health, Fine Arts, Foreign Language, Communication Application, or Technology Applications _____	Required Electives PE, Health, Fine Arts, Foreign Language, Communication Application, or Technology Applications _____
	Required Electives PE, Health, Fine Arts, Foreign Language, Communication Application, or Technology Applications _____	Required Electives PE, Health, Fine Arts, Foreign Language, Communication Application, or Technology Applications _____	Career Electives Education and Training Career Elective or Language (distinguished) _____	Career Electives Education and Training Career Elective or Language (distinguished) _____
	Required Electives PE, Health, Fine Arts, Foreign Language, Communication Application, or Technology Applications _____	Career Electives Education and Training Career Elective _____	Career Electives Education and Training Career Elective _____	Career Electives Education and Training Career Elective _____
Education and Training Elective Courses approved by the Texas Education Agency: Career Connections; Child Development; Introduction to Apprenticeship Training; and Child Care and Guidance, Management, and Services.				

This plan of study should serve as a guide. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals